



ENRICHED BY **EXPERIENCE**

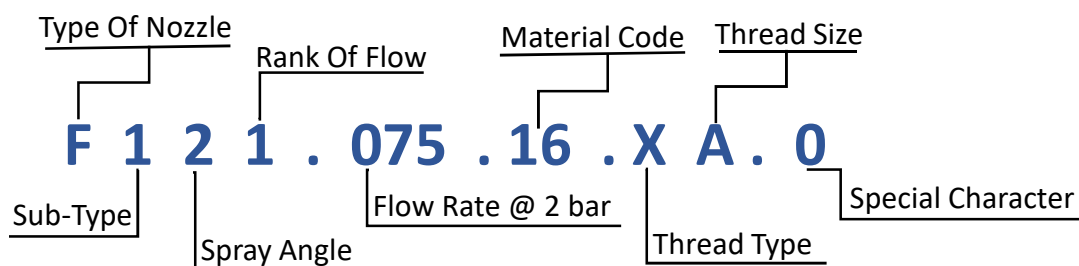
EMPOWERED BY **RESEARCH**



Mican Engineers Pvt. Ltd.

- www.micanengineers.in
- www.micanengineers.com
- sales@micanengineers.com
- Mican.engineers@gmail.com

Product Coding System



Code	Type of Spray Nozzle
F	Flat Spray Nozzle
E	Full Cone Spray Nozzle
H	Hollow Cone Spray Nozzle
T	Tank Cleaning Nozzle
S	Straight Jet Nozzle
A	Air Atomising Nozzle
G	Fittings / Accessories

Code	Spray Angle
1	15
2	30
3	45
4	60
5	75
6	90
7	105
8	120
A	180
B	270
C	360
S	Customised Angle

Code	Material
MS	Mild Steel
04	SS 304 / 304L
16	SS 316 / 316L
31	SS 310
41	SS 410
CI	Cast Iron
BR	Brass
AL	Aluminum
HA	Hastelloy C / B
TI	Titanium
MO	Monel
SC	Silicone Carbide
PT	Teflon / PTFE
PP	PP - Polypropylene
NY	Nylon
DE	Delrin
PV	PVC
DF	PVDF
PE	Polyethylene

Code	Thread Type
X	BSPP
Y	BSPT
Z	NPT
F	Flanged

Code	Thread Size
A	1/8"
B	1/4"
C	3/8"
D	1/2"
E	3/4"
F	1"
G	1 1/4"
H	1 1/2"
J	2"
K	2 1/2"
L	3"
M	3 1/2"
N	4"
P	5"
Q	6"
R	7"
T	8"
U	9"
V	10"



Standard design with self sealing thread connection.
Stable spray angle, Uniform distribution of liquid,
parabolic distribution of liquid.

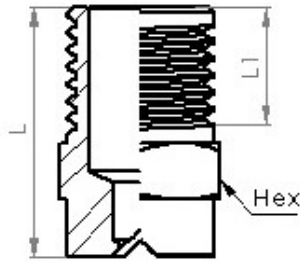
F1 Series

Design:

- One piece construction
- Non clogging type

Application :

- Roll Cooling
- Surface treatment
- Filter cleaning
- Belt Cleaning
- Coating
- Lubricating
- Cleaning



Thread	L	L1	HEX
1/8" BSPT	18	6.5	11
1/4" BSPT	22	10	14
3/8" BSPT	25	12	17
1/2" BSPT	27	13.2	22

SPRAY ANGLE	END CONNECTION				Orifice	LPM						
	1/8" BSPT	1/4" BSPT	3/8" BSPT	1/2" BSPT		PRESSURE(bar)						
						0.5	1	2	3	5	7	10
15°												
F111.032	YA	YB			0.8	0.16	0.23	0.32	0.39	0.51	0.60	0.72
F111.062	YA	YB			1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F111.100	YA	YB			1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F111.160	YA	YB			1.5	0.80	1.15	1.60	1.96	2.53	2.99	3.58
F111.200	YA	YB			1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F111.250	YA	YB			2.0	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F111.400	YA	YB			2.5	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F111.475	YA	YB			2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F111.630	YA	YB			3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F111.800	YA	YB			3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F112.100		YB			4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F112.125		YB			4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F112.160		YB			4.9	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F112.200		YB			5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F112.225		YB			5.8	11.25	16.17	22.50	27.56	35.55	42.08	50.29
F112.250		YB			6.1	12.50	17.97	25.00	30.63	39.50	46.75	55.88



Standard design with self sealing thread connection.
Stable spray angle, Uniform distribution of liquid,
parabolic distribution of liquid.

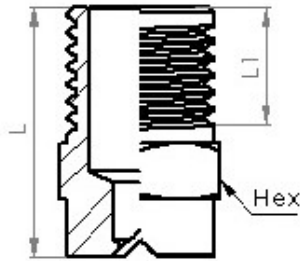
F1 Series

Design:

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Application :

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Thread	L	L1	HEX
1/8" BSPT	18	6.5	11
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3/8" BSPT	25	12	17
1/2" BSPT	27	13.2	22

SPRAY ANGLE	END CONNECTION				Orifice	LPM						
	1/8" BSPT	1/4" BSPT	3/8" BSPT	1/2" BSPT		PRESSURE(bar)						
						0.5	1	2	3	5	7	10
30°	1/8" BSPT	1/4" BSPT	3/8" BSPT	1/2" BSPT	Orifice	0.5	1	2	3	5	7	10
F121.032	YA	YB			0.8	0.16	0.23	0.32	0.39	0.51	0.60	0.72
F121.062	YA	YB			1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F121.100	YA	YB			1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F121.160	YA	YB			1.5	0.80	1.15	1.60	1.96	2.53	2.99	3.58
F121.200	YA	YB			1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F121.250	YA	YB			2.0	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F121.400	YA	YB			2.5	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F121.475	YA	YB			2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F121.630	YA	YB			3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F121.800	YA	YB			3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F122.100		YB			4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F122.125		YB			4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F122.160		YB			4.9	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F122.200		YB			5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F122.225		YB			5.8	11.25	16.17	22.50	27.56	35.55	42.08	50.29
F122.250		YB			6.1	12.50	17.97	25.00	30.63	39.50	46.75	55.88



Standard design with self sealing thread connection.
Stable spray angle, Uniform distribution of liquid,
parabolic distribution of liquid.

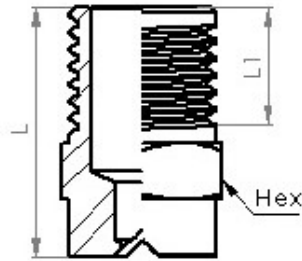
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Application :

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1/2" BSPT	27	13.2	22

SPRAY ANGLE	END CONNECTION				Orifice	LPM						
	1/8" BSPT	1/4" BSPT	3/8" BSPT	1/2" BSPT		PRESSURE(bar)						
						0.5	1	2	3	5	7	10
45°												
F131.032	YA	YB			0.8	0.16	0.23	0.32	0.39	0.51	0.60	0.72
F131.062	YA	YB			1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F131.100	YA	YB			1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F131.160	YA	YB			1.5	0.80	1.15	1.60	1.96	2.53	2.99	3.58
F131.200	YA	YB			1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F131.250	YA	YB			2.0	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F131.400	YA	YB			2.5	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F131.475	YA	YB			2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F131.630	YA	YB			3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F131.800	YA	YB			3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F132.100		YB	YC		4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F132.125		YB	YC		4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F132.160		YB	YC		4.9	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F132.200		YB	YC		5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F132.225		YB	YC		5.8	11.25	16.17	22.50	27.56	35.55	42.08	50.29
F132.250		YB	YC		6.1	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F132.320			YC	YD	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F132.400			YC	YD	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F132.520				YD	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F132.650				YD	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F132.800				YD	11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80



Standard design with self sealing thread connection.
Stable spray angle, Uniform distribution of liquid,
parabolic distribution of liquid.

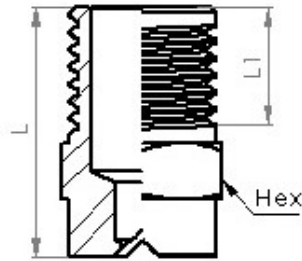
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1/8" BSPT	18	6.5	11
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3/8" BSPT	25	12	17
1/2" BSPT	27	13.2	22

SPRAY ANGLE	END CONNECTION				Orifice	LPM						
	1/8" BSPT	1/4" BSPT	3/8" BSPT	1/2" BSPT		PRESSURE(bar)						
						0.5	1	2	3	5	7	10
60°												
F141.032	YA	YB			0.8	0.16	0.23	0.32	0.39	0.51	0.60	0.72
F141.062	YA	YB			1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F141.100	YA	YB			1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F141.160	YA	YB			1.5	0.80	1.15	1.60	1.96	2.53	2.99	3.58
F141.200	YA	YB			1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F141.250	YA	YB			2.0	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F141.400	YA	YB			2.5	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F141.475	YA	YB			2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F141.630	YA	YB			3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F141.800	YA	YB			3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F142.100		YB	YC		4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F142.125		YB	YC		4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F142.160		YB	YC		4.9	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F142.200		YB	YC		5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F142.225		YB	YC		5.8	11.25	16.17	22.50	27.56	35.55	42.08	50.29
F142.250		YB	YC		6.1	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F142.320			YC	YD	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F142.400			YC	YD	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F142.520				YD	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F142.650				YD	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F142.800				YD	11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80



Standard design with self sealing thread connection.
Stable spray angle, Uniform distribution of liquid,
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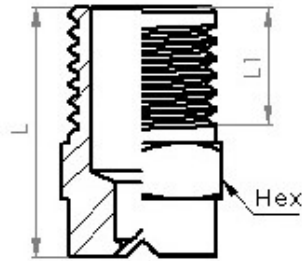
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3/8" BSPT	25	12	17
1/2" BSPT	27	13.2	22

SPRAY ANGLE	END CONNECTION				Orifice	LPM						
	1/8" BSPT	1/4" BSPT	3/8" BSPT	1/2" BSPT		PRESSURE(bar)						
						0.5	1	2	3	5	7	10
90°												
F161.032	YA	YB			0.8	0.16	0.23	0.32	0.39	0.51	0.60	0.72
F161.062	YA	YB			1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F161.100	YA	YB			1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F161.160	YA	YB			1.5	0.80	1.15	1.60	1.96	2.53	2.99	3.58
F161.200	YA	YB			1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F161.250	YA	YB			2.0	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F161.400	YA	YB			2.5	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F161.475	YA	YB			2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F161.630	YA	YB			3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F161.800	YA	YB			3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F162.100		YB	YC		4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F162.125		YB	YC		4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F162.160		YB	YC		4.9	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F162.200		YB	YC		5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F162.225		YB	YC		5.8	11.25	16.17	22.50	27.56	35.55	42.08	50.29
F162.250		YB	YC		6.1	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F162.320			YC	YD	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F162.400			YC	YD	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F162.520				YD	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F162.650				YD	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F162.800				YD	11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80



Standard design with self sealing thread connection.
Stable spray angle, Uniform distribution of liquid,
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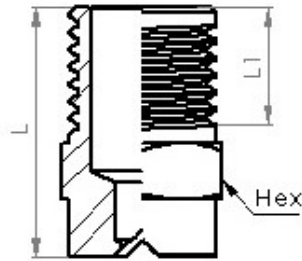
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Design:

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Application :

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Thread	L	L1	HEX
1/8" BSPT	18	6.5	11
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3/8" BSPT	25	12	17
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SPRAY ANGLE	END CONNECTION				Orifice	LPM						
	1/8" BSPT	1/4" BSPT	3/8" BSPT	1/2" BSPT		PRESSURE(bar)						
						0.5	1	2	3	5	7	10
120°												
F181.032	YA	YB			0.8	0.16	0.23	0.32	0.39	0.51	0.60	0.72
F181.062	YA	YB			1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F181.100	YA	YB			1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F181.160	YA	YB			1.5	0.80	1.15	1.60	1.96	2.53	2.99	3.58
F181.200	YA	YB			1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F181.250	YA	YB			2.0	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F181.400	YA	YB			2.5	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F181.475	YA	YB			2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F181.630	YA	YB			3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F181.800	YA	YB			3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F182.100		YB	YC		4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F182.125		YB	YC		4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F182.160		YB	YC		4.9	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F182.200		YB	YC		5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F182.225		YB	YC		5.8	11.25	16.17	22.50	27.56	35.55	42.08	50.29
F182.250		YB	YC		6.1	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F182.320			YC	YD	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F182.400			YC	YD	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F182.520				YD	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F182.650				YD	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F182.800				YD	11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80



Uniform distribution of liquid, parabolic distribution of liquid, Stable spray angle, Compact design, Suitable for narrow installations.

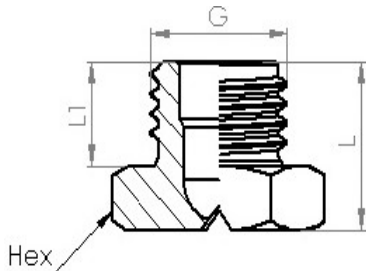
F2 Series

Design:

- One piece construction
- Non clogging type

Application :

- Spray Headers
- Cooling Headers
- Cleaning Installations



Thread	L	L1	HEX
1/8" BSPP	11	7	14
1/4" BSPP	13	8	17
3/4" BSPP	15	8	32
1" BSPP	20	12	36
1 1/4" BSPP	22	14	50
2" BSPP	32	20	70

SPRAY ANGLE	END CONNECTION		Orifice	LPM						
	1/8" BSPP	1/4" BSPP		PRESSURE(bar)						
				0.5	1	2	3	5	7	10
15°										
F211.050	XA	XB	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F211.074	XA	XB	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F211.100	XA	XB	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F211.130	XA	XB	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F211.150	XA	XB	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F211.174		XB	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F211.200		XB	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F211.250		XB	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F211.350		XB	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F211.400		XB	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F211.474		XB	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F211.630		XB	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F211.800		XB	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F212.100		XB	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F212.125		XB	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F212.160		XB	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F212.200		XB	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F212.250		XB	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88



Uniform distribution of liquid, parabolic distribution of liquid, Stable spray angle, Compact design, Suitable for narrow installations.

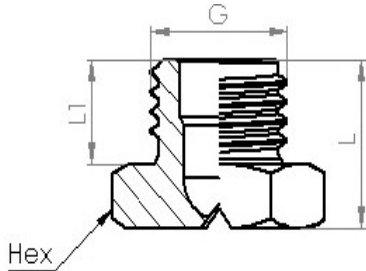
F2 Series

Design:

- One piece construction
- Non clogging type

Application :

- Spray Headers
- Cooling Headers
- Cleaning Installations



Thread	L	L1	HEX
1/8" BSPP	11	7	14
1/4" BSPP	13	8	17
3/4" BSPP	15	8	32
1" BSPP	20	12	36
1 1/4" BSPP	22	14	50
2" BSPP	32	20	70

SPRAY ANGLE	END CONNECTION		Orifice	LPM						
	1/8" BSPP	1/4" BSPP		PRESSURE(bar)						
				0.5	1	2	3	5	7	10
30°										
F221.050	XA	XB	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F221.074	XA	XB	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F221.100	XA	XB	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F221.130	XA	XB	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F221.150	XA	XB	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F221.174	XA	XB	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F221.200	XA	XB	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F221.250	XA	XB	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F221.350		XB	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F221.400		XB	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F221.474		XB	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F221.630		XB	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F221.800		XB	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F222.100		XB	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F222.125		XB	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F222.160		XB	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F222.200		XB	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F222.250		XB	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88



Uniform distribution of liquid, parabolic distribution of liquid, Stable spray angle, Compact design, Suitable for narrow installations.

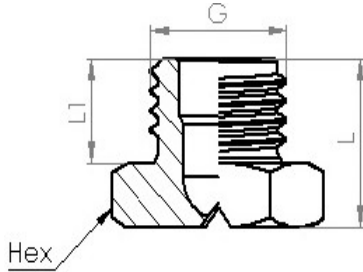
F2 Series

Design:

- One piece construction
- Non clogging type

Application :

- Spray Headers
- Cooling Headers
- Cleaning Installations



Thread	L	L1	HEX
1/8" BSPP	11	7	14
1/4" BSPP	13	8	17
3/4" BSPP	15	8	32
1" BSPP	20	12	36
1 1/4" BSPP	22	14	50
2" BSPP	32	20	70

SPRAY ANGLE	END CONNECTION						Orifice	LPM						
	1/8" BSPP	1/4" BSPP	3/4" BSPP	1" BSPP	1 1/4" BSPP	2" BSPP		PRESSURE(bar)						
								0.5	1	2	3	5	7	10
45°														
F231.050	XA	XB					0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F231.074	XA	XB					1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F231.100	XA	XB					1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F231.130	XA	XB					1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F231.150	XA	XB					1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F231.174	XA	XB					1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F231.200	XA	XB					1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F231.250	XA	XB					1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F231.350	XA	XB					2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F231.400	XA	XB					2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F231.474		XB					2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F231.630		XB					3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F231.800		XB					3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F232.100		XB					4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F232.125		XB					4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F232.160		XB					5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F232.200		XB					5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F232.250		XB	XE				6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F232.320			XE				6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F232.400			XE				7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F232.520			XE	XF			8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F232.650			XE	XF	XG		9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F232.800			XE	XF	XG		11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80
F233.100			XE	XF	XG		11.3	50.00	71.88	100.00	122.50	158.00	187.00	223.50
F233.160					XG	XK	14.3	80.00	115.00	160.00	196.00	252.80	299.20	357.60
F233.175						XK	14.9	87.50	125.78	175.00	214.38	276.50	327.25	391.13
F233.200						XK	16.0	100.00	143.75	200.00	245.00	316.00	374.00	447.00
F233.250						XK	17.8	125.00	179.69	250.00	306.25	395.00	467.50	558.75
F233.325						XK	20.3	162.50	233.59	325.00	398.13	513.50	607.75	726.38
F233.430						XK	23.4	215.00	309.06	430.00	526.75	679.40	804.10	961.05



Uniform distribution of liquid, parabolic distribution of liquid, Stable spray angle, Compact design, Suitable for narrow installations.

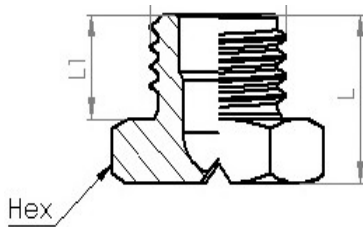
F2 Series

Design:

- One piece construction
- Non clogging type

Application :

- Spray Headers
- Cooling Headers
- Cleaning Installations



Thread	L	L1	HEX
1/4" BSPP	13	8	17
3/4" BSPP	15	8	32
1" BSPP	20	12	36
1 1/4" BSPP	22	14	50
2" BSPP	32	20	70

SPRAY ANGLE	END CONNECTION					Orifice	LPM						
	1/4" BSPP	3/4" BSPP	1" BSPP	1 1/4" BSPP	2" BSPP		PRESSURE(bar)						
							0.5	1	2	3	5	7	10
60°													
F241.050	XB					0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F241.074	XB					1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F241.100	XB					1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F241.130	XB					1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F241.150	XB					1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F241.174	XB					1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F241.200	XB					1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F241.250	XB					1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F241.350	XB					2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F241.400	XB					2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F241.474	XB					2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F241.630	XB					3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F241.800	XB					3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F242.100	XB					4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F242.125	XB					4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F242.160	XB					5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F242.200	XB					5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F242.250	XB					6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F242.320		XE				6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F242.400		XE				7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F242.520		XE	XF			8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F242.650		XE	XF	XG		9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F242.800		XE	XF	XG		11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80
F243.100		XE	XF	XG		11.3	50.00	71.88	100.00	122.50	158.00	187.00	223.50
F243.160				XG	XK	14.3	80.00	115.00	160.00	196.00	252.80	299.20	357.60
F243.175					XK	14.9	87.50	125.78	175.00	214.38	276.50	327.25	391.13
F243.200					XK	16.0	100.00	143.75	200.00	245.00	316.00	374.00	447.00
F243.250					XK	17.8	125.00	179.69	250.00	306.25	395.00	467.50	558.75
F243.325					XK	20.3	162.50	233.59	325.00	398.13	513.50	607.75	726.38
F243.430					XK	23.4	215.00	309.06	430.00	526.75	679.40	804.10	961.05



Uniform distribution of liquid, parabolic distribution of liquid, Stable spray angle, Compact design, Suitable for narrow installations.

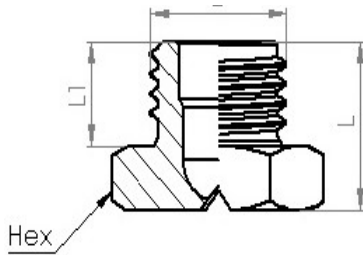
F2 Series

Design:

- One piece construction
- Non clogging type

Application :

- Spray Headers
- Cooling Headers
- Cleaning Installations



Thread	L	L1	HEX
1/4" BSPP	13	8	17
3/4" BSPP	15	8	32
1" BSPP	20	12	36
1 1/4" BSPP	22	14	50
2" BSPP	32	20	70

SPRAY ANGLE	END CONNECTION					Orifice	LPM						
	1/4" BSPP	3/4" BSPP	1" BSPP	1 1/4" BSPP	2" BSPP		PRESSURE(bar)						
							0.5	1	2	3	5	7	10
90°													
F261.050	XB					0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F261.074	XB					1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F261.100	XB					1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F261.130	XB					1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F261.150	XB					1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F261.174	XB					1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F261.200	XB					1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F261.250	XB					1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F261.350	XB					2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F261.400	XB					2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F261.474	XB					2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F261.630	XB					3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F261.800	XB					3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F262.100	XB					4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F262.125	XB					4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F262.160	XB					5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F262.200	XB					5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F262.250	XB					6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F262.320		XE				6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F262.400		XE				7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F262.520		XE	XF			8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F262.650		XE	XF	XG		9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F262.800		XE	XF	XG		11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80
F263.100		XE	XF	XG		11.3	50.00	71.88	100.00	122.50	158.00	187.00	223.50
F263.160				XG	XK	14.3	80.00	115.00	160.00	196.00	252.80	299.20	357.60
F263.175					XK	14.9	87.50	125.78	175.00	214.38	276.50	327.25	391.13
F263.200					XK	16.0	100.00	143.75	200.00	245.00	316.00	374.00	447.00
F263.250					XK	17.8	125.00	179.69	250.00	306.25	395.00	467.50	558.75
F263.325					XK	20.3	162.50	233.59	325.00	398.13	513.50	607.75	726.38
F263.430					XK	23.4	215.00	309.06	430.00	526.75	679.40	804.10	961.05



Uniform distribution of liquid, parabolic distribution of liquid, Stable spray angle, Compact design, Suitable for narrow installations.

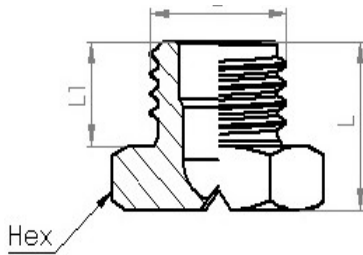
F2 Series

Design:

- One piece construction
- Non clogging type

Application :

- Spray Headers
- Cooling Headers
- Cleaning Installations



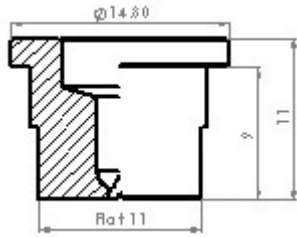
Thread	L	L1	HEX
1/4" BSPP	13	8	17
3/4" BSPP	15	8	32
1" BSPP	20	12	36
1 1/4" BSPP	22	14	50
2" BSPP	32	20	70

SPRAY ANGLE	END CONNECTION					Orifice	LPM						
	1/4" BSPP	3/4" BSPP	1" BSPP	1 1/4" BSPP	2" BSPP		PRESSURE(bar)						
							0.5	1	2	3	5	7	10
120°													
F281.050	XB					0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F281.074	XB					1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F281.100	XB					1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F281.130	XB					1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F281.150	XB					1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F281.174	XB					1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F281.200	XB					1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F281.250	XB					1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F281.350	XB					2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F281.400	XB					2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F281.474	XB					2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F281.630	XB					3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F281.800	XB					3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F282.100	XB					4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F282.125	XB					4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F282.160	XB					5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F282.200		XE				5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F282.250		XE				6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F282.320		XE				6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F282.400		XE				7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F282.520		XE	XF			8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F282.650		XE	XF	XG		9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F282.800		XE	XF	XG		11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80
F283.100		XE	XF	XG		11.3	50.00	71.88	100.00	122.50	158.00	187.00	223.50
F283.160				XG	XK	14.3	80.00	115.00	160.00	196.00	252.80	299.20	357.60
F283.175					XK	14.9	87.50	125.78	175.00	214.38	276.50	327.25	391.13
F283.200					XK	16.0	100.00	143.75	200.00	245.00	316.00	374.00	447.00
F283.250					XK	17.8	125.00	179.69	250.00	306.25	395.00	467.50	558.75
F283.325					XK	20.3	162.50	233.59	325.00	398.13	513.50	607.75	726.38
F283.430					XK	23.4	215.00	309.06	430.00	526.75	679.40	804.10	961.05



Assembly with retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes equipped with nozzles show an extremely uniform total liquid distribution.

F3 Series



Application :

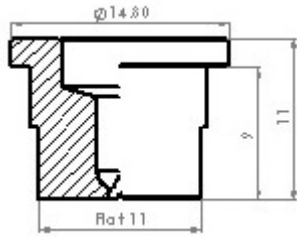
- Spray cleaning
- Surface treatment
- Lubricating
- Coating.
- filter cleaning
- belt cleaning
- Cleaning Installations

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
15°		0.5	1	2	3	5	7	10
F311.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F311.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F311.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F311.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F311.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F311.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F311.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F311.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F311.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F311.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F311.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F311.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F311.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F312.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F312.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F312.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F312.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F312.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88



Assembly with retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes equipped with nozzles show an extremely uniform total liquid distribution.

F3 Series



Application :

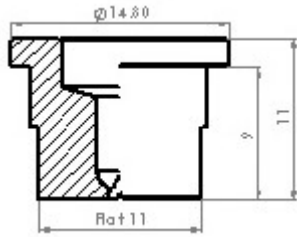
- Spray cleaning
- Surface treatment
- Lubricating
- Coating.
- filter cleaning
- belt cleaning
- Cleaning Installations

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
30°		0.5	1	2	3	5	7	10
F321.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F321.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F321.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F321.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F321.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F321.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F321.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F321.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F321.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F321.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F321.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F321.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F321.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F322.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F322.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F322.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F322.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F322.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88



Assembly with retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes equipped with nozzles show an extremely uniform total liquid distribution.

F3 Series



Application :

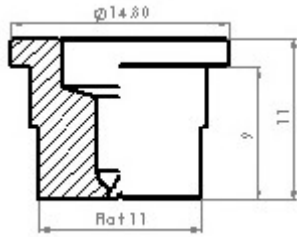
- Spray cleaning
- Surface treatment
- Lubricating
- Coating.
- filter cleaning
- belt cleaning
- Cleaning Installations

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
45°		0.5	1	2	3	5	7	10
F331.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F331.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F331.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F331.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F331.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F331.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F331.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F331.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F331.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F331.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F331.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F331.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F331.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F332.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F332.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F332.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F332.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F332.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88



Assembly with retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes equipped with nozzles show an extremely uniform total liquid distribution.

F3 Series



Application :

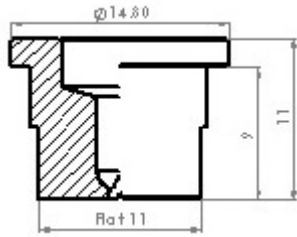
- Spray cleaning
- Surface treatment
- Lubricating
- Coating.
- filter cleaning
- belt cleaning
- Cleaning Installations

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
60°		0.5	1	2	3	5	7	10
F341.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F341.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F341.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F341.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F341.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F341.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F341.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F341.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F341.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F341.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F341.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F341.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F341.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F342.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F342.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F342.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F342.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F342.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88



Assembly with retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes equipped with nozzles show an extremely uniform total liquid distribution.

F3 Series



Application :

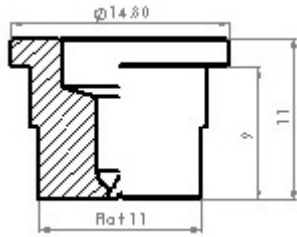
- Spray cleaning
- Surface treatment
- Lubricating
- Coating.
- filter cleaning
- belt cleaning
- Cleaning Installations

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
90°		0.5	1	2	3	5	7	10
F361.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F361.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F361.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F361.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F361.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F361.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F361.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F361.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F361.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F361.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F361.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F361.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F361.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F362.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F362.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F362.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F362.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F362.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88



Assembly with retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes equipped with nozzles show an extremely uniform total liquid distribution.

F3 Series



Application :

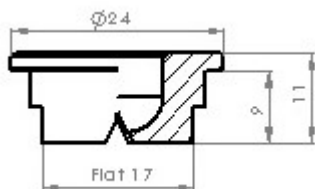
- Spray cleaning
- Surface treatment
- Lubricating
- Coating.
- filter cleaning
- belt cleaning
- Cleaning Installations

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
120°		0.5	1	2	3	5	7	10
F381.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F381.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F381.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F381.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F381.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F381.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F381.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F381.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F381.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F381.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F381.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F381.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F381.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F382.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F382.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F382.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F382.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F382.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88



Assembly with retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes equipped with nozzles show an extremely uniform total liquid distribution.

F4 Series



Application :

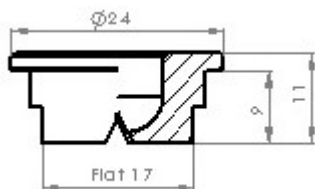
- Spray cleaning
- Surface treatment
- Lubricating
- Coating.
- filter cleaning
- belt cleaning
- Cleaning Installations

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
		0.5	1	2	3	5	7	10
15°								
F411.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F411.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F411.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F411.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F411.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F411.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F411.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F411.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F411.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F411.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F411.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F411.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F411.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F412.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F412.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F412.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F412.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F412.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F412.320	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F412.400	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F412.520	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F412.650	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F412.800	11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80
F413.100	11.3	50.00	71.88	100.00	122.50	158.00	187.00	223.50



Assembly with retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes equipped with nozzles show an extremely uniform total liquid distribution.

F4 Series



Application :

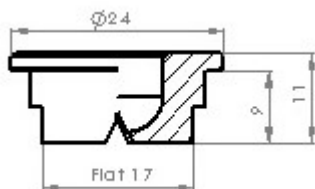
- Spray cleaning
- Surface treatment
- Lubricating
- Coating.
- filter cleaning
- belt cleaning
- Cleaning Installations

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
		0.5	1	2	3	5	7	10
30°								
F421.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F421.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F421.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F421.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F421.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F421.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F421.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F421.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F421.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F421.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F421.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F421.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F421.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F422.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F422.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F422.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F422.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F422.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F422.320	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F422.400	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F422.520	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F422.650	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F422.800	11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80
F423.100	11.3	50.00	71.88	100.00	122.50	158.00	187.00	223.50



Assembly with retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes equipped with nozzles show an extremely uniform total liquid distribution.

F4 Series



Application :

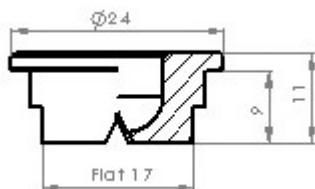
- Spray cleaning
- Surface treatment
- Lubricating
- Coating.
- filter cleaning
- belt cleaning
- Cleaning Installations

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
		0.5	1	2	3	5	7	10
45°								
F431.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F431.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F431.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F431.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F431.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F431.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F431.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F431.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F431.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F431.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F431.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F431.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F431.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F432.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F432.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F432.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F432.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F432.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F432.320	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F432.400	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F432.520	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F432.650	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F432.800	11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80
F433.100	11.3	50.00	71.88	100.00	122.50	158.00	187.00	223.50



Assembly with retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes equipped with nozzles show an extremely uniform total liquid distribution.

F4 Series



Application :

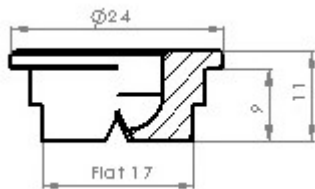
- Spray cleaning
- Surface treatment
- Lubricating
- Coating.
- filter cleaning
- belt cleaning
- Cleaning Installations

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
		0.5	1	2	3	5	7	10
60°								
F441.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F441.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F441.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F441.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F441.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F441.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F441.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F441.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F441.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F441.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F441.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F441.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F441.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F442.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F442.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F442.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F442.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F442.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F442.320	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F442.400	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F442.520	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F442.650	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F442.800	11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80
F443.100	11.3	50.00	71.88	100.00	122.50	158.00	187.00	223.50



Assembly with retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes equipped with nozzles show an extremely uniform total liquid distribution.

F4 Series



Application :

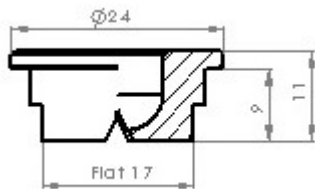
- Spray cleaning
- Surface treatment
- Lubricating
- Coating.
- filter cleaning
- belt cleaning
- Cleaning Installations

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
90°		0.5	1	2	3	5	7	10
F461.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F461.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F461.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F461.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F461.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F461.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F461.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F461.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F461.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F461.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F461.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F461.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F461.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F462.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F462.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F462.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F462.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F462.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F462.320	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F462.400	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F462.520	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F462.650	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F462.800	11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80
F463.100	11.3	50.00	71.88	100.00	122.50	158.00	187.00	223.50



Assembly with retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes equipped with nozzles show an extremely uniform total liquid distribution.

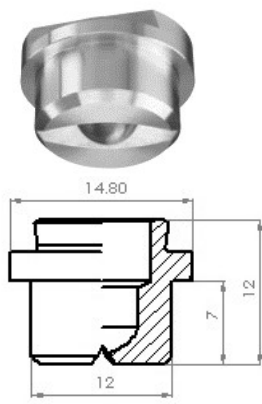
F4 Series



Application :

- Spray cleaning
- Surface treatment
- Lubricating
- Coating.
- filter cleaning
- belt cleaning
- Cleaning Installations

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
120°		0.5	1	2	3	5	7	10
F481.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F481.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F481.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F481.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F481.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F481.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F481.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F481.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F481.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F481.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F481.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F481.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F481.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F482.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F482.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F482.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F482.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F482.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F482.320	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F482.400	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F482.520	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F482.650	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F482.800	11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80
F483.100	11.3	50.00	71.88	100.00	122.50	158.00	187.00	223.50

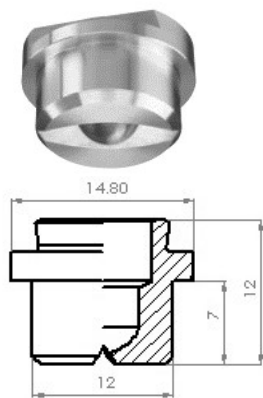


Dove-tail guided spray nozzle connected to Spray pipe or Spray header by the means of nipple and retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes / Headers equipped with nozzles show an extremely uniform total liquid distribution.

Application :

- Cleaning Installations
- Cooling pipes
- Spray headers

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
15°		0.5	1	2	3	5	7	10
F511.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F511.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F511.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F511.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F511.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F511.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F511.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F511.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F511.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F511.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F511.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F511.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F511.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F512.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F512.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F512.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76

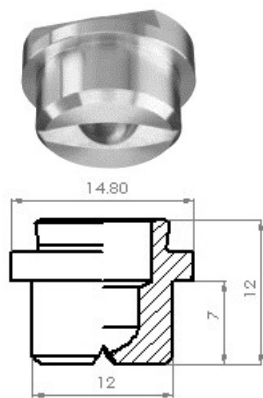


Dove-tail guided spray nozzle connected to Spray pipe or Spray header by the means of nipple and retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes / Headers equipped with nozzles show an extremely uniform total liquid distribution.

Application :

- Cleaning Installations
- Cooling pipes
- Spray headers

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
30°		0.5	1	2	3	5	7	10
F521.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F521.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F521.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F521.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F521.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F521.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F521.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F521.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F521.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F521.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F521.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F521.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F521.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F522.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F522.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F522.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76

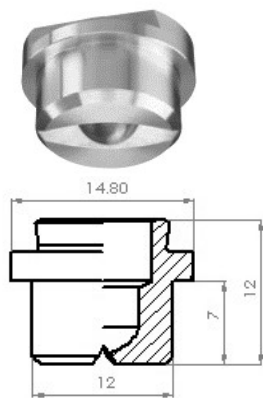


Dove-tail guided spray nozzle connected to Spray pipe or Spray header by the means of nipple and retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes / Headers equipped with nozzles show an extremely uniform total liquid distribution.

Application :

- Cleaning Installations
- Cooling pipes
- Spray headers

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
45°		0.5	1	2	3	5	7	10
F531.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F531.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F531.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F531.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F531.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F531.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F531.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F531.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F531.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F531.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F531.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F531.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F531.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F532.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F532.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F532.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76

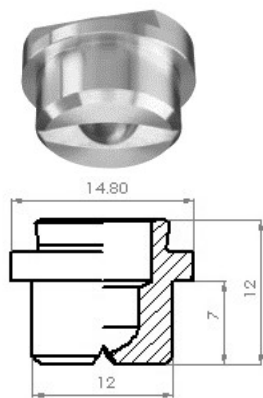


Dove-tail guided spray nozzle connected to Spray pipe or Spray header by the means of nipple and retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes / Headers equipped with nozzles show an extremely uniform total liquid distribution.

Application :

- Cleaning Installations
- Cooling pipes
- Spray headers

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
60°		0.5	1	2	3	5	7	10
F541.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F541.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F541.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F541.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F541.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F541.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F541.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F541.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F541.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F541.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F541.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F541.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F541.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F542.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F542.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F542.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76

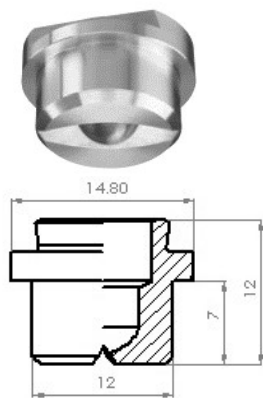


Dove-tail guided spray nozzle connected to Spray pipe or Spray header by the means of nipple and retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes / Headers equipped with nozzles show an extremely uniform total liquid distribution.

Application :

- Cleaning Installations
- Cooling pipes
- Spray headers

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
90°		0.5	1	2	3	5	7	10
F561.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F561.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F561.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F561.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F561.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F561.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F561.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F561.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F561.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F561.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F561.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F561.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F561.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F562.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F562.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F562.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76



Dove-tail guided spray nozzle connected to Spray pipe or Spray header by the means of nipple and retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes / Headers equipped with nozzles show an extremely uniform total liquid distribution.

Application :

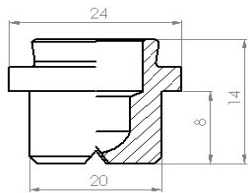
- Cleaning Installations
- Cooling pipes
- Spray headers

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
120°		0.5	1	2	3	5	7	10
F581.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F581.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F581.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F581.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F581.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F581.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F581.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F581.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F581.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F581.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F581.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F581.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F581.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F582.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F582.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F582.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76



Dove-tail guided spray nozzle connected to Spray pipe or Spray header by the means of nipple and retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes / Headers equipped with nozzles show an extremely uniform total liquid distribution.

F6 Series



Application :

- Cleaning Installations • Cooling pipes • Spray headers • Roll cooling

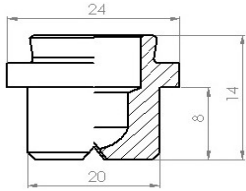
SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
		0.5	1	2	3	5	7	10
15°								
F611.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F611.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F612.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F612.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F612.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F612.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F612.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F612.320	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F612.400	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F612.520	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F612.650	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
		0.5	1	2	3	5	7	10
30°								
F621.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F621.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F622.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F622.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F622.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F622.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F622.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F622.320	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F622.400	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F622.520	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F622.650	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28



Dove-tail guided spray nozzle connected to Spray pipe or Spray header by the means of nipple and retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes / Headers equipped with nozzles show an extremely uniform total liquid distribution.

F6 Series



Application :

- Cleaning Installations • Cooling pipes • Spray headers • Roll cooling

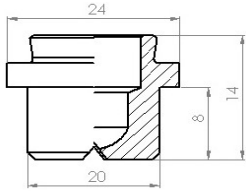
SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
		0.5	1	2	3	5	7	10
45°								
F631.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F631.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F632.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F632.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F632.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F632.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F632.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F632.320	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F632.400	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F632.520	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F632.650	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
		0.5	1	2	3	5	7	10
60°								
F641.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F641.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F642.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F642.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F642.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F642.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F642.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F642.320	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F642.400	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F642.520	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F642.650	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28



Dove-tail guided spray nozzle connected to Spray pipe or Spray header by the means of nipple and retaining nut. Easy nozzle changing, simple jet alignment. Uniform, parabolic distribution of liquid. Spray pipes / Headers equipped with nozzles show an extremely uniform total liquid distribution.

F6 Series

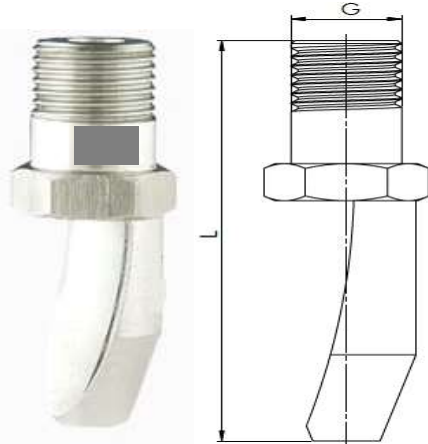


Application :

- Cleaning Installations • Cooling pipes • Spray headers • Roll cooling

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
		0.5	1	2	3	5	7	10
90°								
F661.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F661.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F662.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F662.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F662.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F662.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F662.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F662.320	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F662.400	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F662.520	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F662.650	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
		0.5	1	2	3	5	7	10
120°								
F681.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F681.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F682.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F682.125	4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F682.160	5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F682.200	5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F682.250	6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F682.320	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F682.400	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F682.520	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F682.650	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28

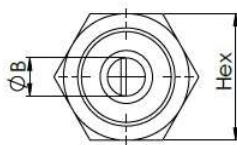


Narrow Jet non clogging Flat spray nozzle with high impact value and sharp flat fan, works on principle of deflection.

F7 Series

Application :

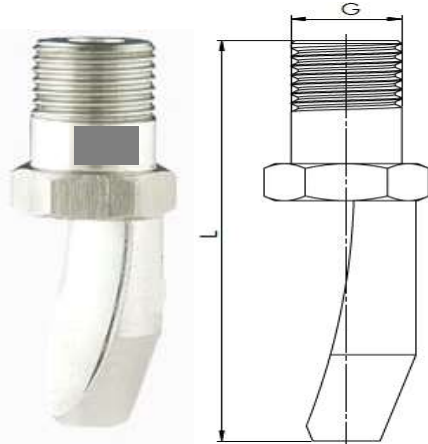
- Cleaning
- washing
- Degreasing
- Phosphating



Thread (G)	L	L1	HEX
1/4" BSPT	65	10	17
3/8" BSPT	75	10	17
1/2" BSPT	80	13.2	22
3/4" BSPT	102	14.5	27

SPRAY ANGLE 15°	END CONNECTION				Orifice	LPM						
	1/4" BSPT	3/8" BSPT	1/2" BSPT	3/4" BSPT		PRESSURE(bar)						
						0.5	1	2	3	5	7	10
η10°												
F711.350	YB				2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F711.474	YB				2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F711.630	YB				3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F711.800		YC			3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F712.100		YC			4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F712.125		YC			4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F712.160		YC			5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F712.200			YD		5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F712.250			YD		6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F712.320			YD	YE	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F712.400				YE	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F712.520				YE	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F712.650				YE	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28

SPRAY ANGLE 30°	END CONNECTION				Orifice	LPM						
	1/4" BSPT	3/8" BSPT	1/2" BSPT	3/4" BSPT		PRESSURE(bar)						
						0.5	1	2	3	5	7	10
η ₂₀ °												
F721.350	YB				2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F721.474	YB				2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F721.630	YB				3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F721.800		YC			3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F722.100		YC			4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F722.125		YC			4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F722.160		YC			5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F722.200			YD		5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F722.250			YD		6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F722.320			YD	YE	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F722.400				YE	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F722.520				YE	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F722.650				YE	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28

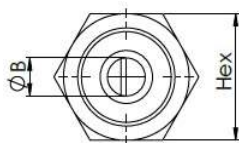


Narrow Jet non clogging Flat spray nozzle with high impact value and sharp flat fan, works on principle of deflection.

F7 Series

Application :

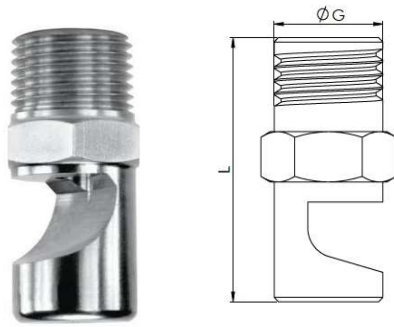
- Cleaning
- washing
- Degreasing
- Phosphating



Thread (G)	L	L1	HEX
1/4" BSPT	65	10	17
3/8" BSPT	75	10	17
1/2" BSPT	80	13.2	22
3/4" BSPT	102	14.5	27

SPRAY ANGLE 45°	END CONNECTION				Orifice	LPM						
	1/4" BSPT	3/8" BSPT	1/2" BSPT	3/4" BSPT		PRESSURE(bar)						
						0.5	1	2	3	5	7	10
η25°	1/4" BSPT	3/8" BSPT	1/2" BSPT	3/4" BSPT		0.5	1	2	3	5	7	10
F731.350	YB				2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F731.474	YB				2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F731.630	YB				3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F731.800		YC			3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F732.100		YC			4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F732.125		YC			4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F732.160		YC			5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F732.200			YD		5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F732.250			YD		6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F732.320			YD	YE	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F732.400				YE	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F732.520				YE	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F732.650				YE	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28

SPRAY ANGLE 60°	END CONNECTION				Orifice	LPM						
	1/4" BSPT	3/8" BSPT	1/2" BSPT	3/4" BSPT		PRESSURE(bar)						
						0.5	1	2	3	5	7	10
η40°												
F741.350	YB				2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F741.474	YB				2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F741.630	YB				3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F741.800		YC			3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F742.100		YC			4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F742.125		YC			4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F742.160		YC			5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F742.200			YD		5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F742.250			YD		6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F742.320			YD	YE	6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F742.400				YE	7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F742.520				YE	8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F742.650				YE	9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28

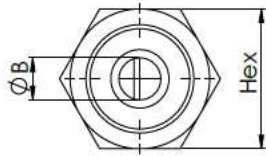


Wide angle Flat spray nozzle with high impact value and sharp flat fan, works on principle of deflection, non clogging.

Powerful and concentrated water jet.

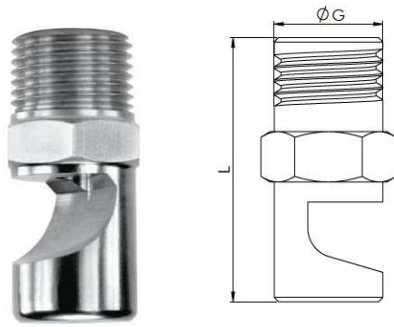
Application :

- Cleaning
- washing
- Foam control
- Sewage treatment plant



Thread (G)	1/8" BSPT	1/4" BSPT	3/8" BSPT	1/2" BSPT	3/4" BSPT	1" BSPT
L	22	30	36	50	56	94
L1	6.5	10	10	13.2	14.5	16.8
HEX	11	14	17	22	27	36

SPRAY ANGLE	END CONNECTION						Orifice	LPM						
	1/8" BSPT	1/4" BSPT	3/8" BSPT	1/2" BSPT	3/4" BSPT	1" BSPT		PRESSURE(bar)						
								0.5	1	2	3	5	7	10
90°														
η50°														
F861.100	YA						1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F861.130	YA						1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F861.150	YA						1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F861.174	YA						1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F861.200	YA						1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F861.250	YA	YB					1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F861.350	YA	YB					2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F861.400	YA	YB					2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F861.474	YA	YB					2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F861.630	YA	YB					3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F861.800	YA	YB					3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F862.100	YA	YB	YC				4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F862.125		YB	YC				4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F862.160		YB	YC				5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F862.200			YC	YD			5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F862.250				YD			6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F862.320				YD			6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F862.400				YD			7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F862.520					YE		8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F862.650					YE		9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F862.800					YE		11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80
F863.100					YE		11.3	50.00	71.88	100.00	122.50	158.00	187.00	223.50
F863.160						YF	14.3	80.00	115.00	160.00	196.00	252.80	299.20	357.60
F863.175						YF	14.9	87.50	125.78	175.00	214.38	276.50	327.25	391.13
F863.200						YF	16.0	100.00	143.75	200.00	245.00	316.00	374.00	447.00

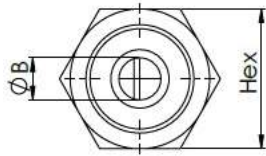


Wide angle Flat spray nozzle with high impact value and sharp flat fan, works on principle of deflection, non clogging.

Powerful and concentrated water jet.

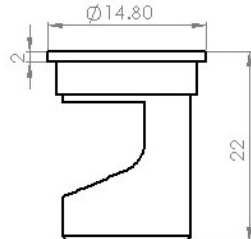
Application :

- Cleaning
- washing
- Foam control
- Sewage treatment plant



Thread (G)	1/8" BSPT	1/4" BSPT	3/8" BSPT	1/2" BSPT	3/4" BSPT	1" BSPT
L	22	30	36	50	56	94
L1	6.5	10	10	13.2	14.5	16.8
HEX	11	14	17	22	27	36

SPRAY ANGLE	END CONNECTION						Orifice	LPM						
	1/8" BSPT	1/4" BSPT	3/8" BSPT	1/2" BSPT	3/4" BSPT	1" BSPT		PRESSURE(bar)						
								0.5	1	2	3	5	7	10
140°	η75°													
F8S1.100	YA						1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F8S1.130	YA						1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F8S1.150	YA						1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F8S1.174	YA						1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F8S1.200	YA						1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F8S1.250	YA	YB					1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F8S1.350	YA	YB					2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F8S1.400	YA	YB					2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F8S1.474	YA	YB					2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F8S1.630	YA	YB					3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F8S1.800	YA	YB					3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F8S2.100	YA	YB	YC				4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35
F8S2.125		YB	YC				4.3	6.25	8.98	12.50	15.31	19.75	23.38	27.94
F8S2.160		YB	YC				5.0	8.00	11.50	16.00	19.60	25.28	29.92	35.76
F8S2.200			YC	YD			5.5	10.00	14.38	20.00	24.50	31.60	37.40	44.70
F8S2.250				YD			6.0	12.50	17.97	25.00	30.63	39.50	46.75	55.88
F8S2.320				YD			6.4	16.00	23.00	32.00	39.20	50.56	59.84	71.52
F8S2.400				YD			7.8	20.00	28.75	40.00	49.00	63.20	74.80	89.40
F8S2.520					YE		8.9	26.00	37.38	52.00	63.70	82.16	97.24	116.22
F8S2.650					YE		9.9	32.50	46.72	65.00	79.63	102.70	121.55	145.28
F8S2.800					YE		11.0	40.00	57.50	80.00	98.00	126.40	149.60	178.80
F8S3.100					YE		11.3	50.00	71.88	100.00	122.50	158.00	187.00	223.50
F8S3.160						YF	14.3	80.00	115.00	160.00	196.00	252.80	299.20	357.60
F8S3.175						YF	14.9	87.50	125.78	175.00	214.38	276.50	327.25	391.13
F8S3.200						YF	16.0	100.00	143.75	200.00	245.00	316.00	374.00	447.00
F8S3.250						YF	17.8	125.00	179.69	250.00	306.25	395.00	467.50	558.75



Wide angle Flat spray nozzle with high impact value and sharp flat fan, works on principle of deflection, non clogging.
Assembly with retaining nut.

F9 Series

Application :

- Cleaning • washing • Foam control • Sewage treatment plant

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
90°		0.5	1	2	3	5	7	10
F961.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F961.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F961.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F961.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F961.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F961.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F961.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F961.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F961.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F961.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F961.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F961.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F961.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F962.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35

SPRAY ANGLE	Orifice	LPM						
		PRESSURE(bar)						
140°		0.5	1	2	3	5	7	10
F9S1.050	0.8	0.25	0.36	0.50	0.61	0.79	0.94	1.12
F9S1.074	1.0	0.37	0.53	0.74	0.91	1.17	1.38	1.65
F9S1.100	1.2	0.50	0.72	1.00	1.23	1.58	1.87	2.24
F9S1.130	1.35	0.65	0.93	1.30	1.59	2.05	2.43	2.91
F9S1.150	1.5	0.75	1.08	1.50	1.84	2.37	2.81	3.35
F9S1.174	1.6	0.87	1.25	1.74	2.13	2.75	3.25	3.89
F9S1.200	1.7	1.00	1.44	2.00	2.45	3.16	3.74	4.47
F9S1.250	1.9	1.25	1.80	2.50	3.06	3.95	4.68	5.59
F9S1.350	2.3	1.75	2.52	3.50	4.29	5.53	6.55	7.82
F9S1.400	2.4	2.00	2.88	4.00	4.90	6.32	7.48	8.94
F9S1.474	2.7	2.37	3.41	4.74	5.81	7.49	8.86	10.59
F9S1.630	3.0	3.15	4.53	6.30	7.72	9.95	11.78	14.08
F9S1.800	3.5	4.00	5.75	8.00	9.80	12.64	14.96	17.88
F9S2.100	4.0	5.00	7.19	10.00	12.25	15.80	18.70	22.35